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--ABSTRACT

Isolated nucleotide compositions and sequences are provided for *LGR4*, *LGR5* and *LGR7* genes. The nucleic acid compositions find use in identifying homologous or related genes; in identifying endogenous ligands for these receptors; in producing compositions that modulate the expression or function of its encoded protein; for gene therapy; mapping functional regions of the protein; and in studying associated physiological pathways. In addition, modulation of the gene activity *in vivo* is used for prophylactic and therapeutic purposes. --
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